



IFWO

## RAW SEQUENCE LISTING

DATE: 08/30/2004

PATENT APPLICATION: US/10/770,117

TIME: 14:49:22

Input Set : N:\Crf3\RULE60\10770117.raw.txt

Output Set: N:\CRF4\08302004\J770117.raw

1 <110> APPLICANT: The Government of the United States, as represented by the  
 2 Secretary, Dept. of  
 3 Health and Human Services  
 4 Berzofsky, Jay A.  
 5 Sarobe, Pablo  
 6 Pendleton, C. David  
 7 Feinstone, Stephen M.  
 8 Arichi, Tatsumi  
 9 Major, Marian E.

10 <120> TITLE OF INVENTION: MODIFIED HCV PEPTIDE VACCINES  
 11 <130> FILE REFERENCE: 14014.0347/P  
 12 <140> CURRENT APPLICATION NUMBER: US/10/770,117  
 13 <141> CURRENT FILING DATE: 2004-02-02  
 14 <150> PRIOR APPLICATION NUMBER: US/09/763,260  
 15 <151> PRIOR FILING DATE: 2001-10-19  
 17 <150> PRIOR APPLICATION NUMBER: 60/097,446  
 18 <151> PRIOR FILING DATE: 1998-08-21  
 19 <160> NUMBER OF SEQ ID NOS: 8  
 20 <170> SOFTWARE: FastSEQ for Windows Version 3.0  
 22 <210> SEQ ID NO: 1  
 23 <211> LENGTH: 9  
 24 <212> TYPE: PRT  
 25 <213> ORGANISM: Artificial Sequence  
 26 <220> FEATURE:  
 27 <223> OTHER INFORMATION: Description of Artificial Sequence:/Note =  
 28 synthetic construct  
 29 <400> SEQUENCE: 1  
 30 Asp Leu Met Gly Tyr Ile Pro Ala Val  
 31 1 5

33 <210> SEQ ID NO: 2  
 34 <211> LENGTH: 191  
 35 <212> TYPE: PRT  
 36 <213> ORGANISM: Artificial Sequence  
 37 <220> FEATURE:  
 38 <223> OTHER INFORMATION: Description of Artificial Sequence:/Note =  
 39 synthetic construct  
 40 <400> SEQUENCE: 2  
 41 Met Ser Thr Asn Pro Lys Pro Gln Lys Lys Asn Lys Arg Asn Thr Asn  
 42 1 5 10 15  
 43 Arg Arg Pro Gln Asp Val Lys Phe Pro Gly Gly Gly Gln Ile Val Gly  
 44 20 25 30  
 45 Gly Val Tyr Leu Leu Pro Arg Arg Gly Pro Arg Leu Gly Val Arg Ala  
 46 35 40 45



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```

47      Thr Arg Lys Thr Ser Glu Arg Ser Gln Pro Arg Gly Arg Arg Gln Pro
48      50                      55                      60
49      Ile Pro Lys Ala Arg Arg Pro Glu Gly Arg Thr Trp Ala Gln Pro Gly
50      65                      70                      75                      80
51      Tyr Pro Trp Pro Leu Tyr Gly Asn Glu Gly Cys Gly Trp Ala Gly Trp
52                      85                      90                      95
53      Leu Leu Ser Pro Arg Gly Ser Arg Pro Ser Trp Gly Pro Thr Asp Pro
54                      100                      105                      110
55      Arg Arg Arg Ser Arg Asn Leu Gly Lys Val Ile Asp Thr Leu Thr Cys
56                      115                      120                      125
57      Gly Phe Ala Asp Leu Met Gly Tyr Ile Pro Ala Val Gly Ala Pro Leu
58                      130                      135                      140
59      Gly Gly Ala Ala Arg Ala Leu Ala His Gly Val Arg Val Leu Glu Asp
60      145                      150                      155                      160
61      Gly Val Asn Tyr Ala Thr Gly Asn Leu Pro Gly Cys Ser Phe Ser Ile
62                      165                      170                      175
63      Phe Leu Leu Ala Leu Leu Ser Cys Leu Thr Val Pro Ala Ser Ala
64                      180                      185                      190

```

66 &lt;210&gt; SEQ ID NO: 3

67 &lt;211&gt; LENGTH: 9

68 &lt;212&gt; TYPE: PRT

69 &lt;213&gt; ORGANISM: Artificial Sequence

70 &lt;220&gt; FEATURE:

71 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence:/Note =

72 synthetic construct

73 &lt;400&gt; SEQUENCE: 3

74 Asp Leu Met Gly Tyr Ile Pro Leu Val

75 1 5

77 &lt;210&gt; SEQ ID NO: 4

78 &lt;211&gt; LENGTH: 191

79 &lt;212&gt; TYPE: PRT

80 &lt;213&gt; ORGANISM: Artificial Sequence

81 &lt;220&gt; FEATURE:

82 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence:/Note =

83 synthetic construct

84 &lt;400&gt; SEQUENCE: 4

85 Met Ser Thr Asn Pro Lys Pro Gln Lys Lys Asn Lys Arg Asn Thr Asn

86 1 5 10 15

87 Arg Arg Pro Gln Asp Val Lys Phe Pro Gly Gly Gly Gln Ile Val Gly

88 20 25 30

89 Gly Val Tyr Leu Leu Pro Arg Arg Gly Pro Arg Leu Gly Val Arg Ala

90 35 40 45

91 Thr Arg Lys Thr Ser Glu Arg Ser Gln Pro Arg Gly Arg Arg Gln Pro

92 50 55 60

93 Ile Pro Lys Ala Arg Arg Pro Glu Gly Arg Thr Trp Ala Gln Pro Gly

94 65 70 75 80

95 Tyr Pro Trp Pro Leu Tyr Gly Asn Glu Gly Cys Gly Trp Ala Gly Trp

96 85 90 95

97 Leu Leu Ser Pro Arg Gly Ser Arg Pro Ser Trp Gly Pro Thr Asp Pro

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```

98             100             105             110
99  Arg Arg Arg Ser Arg Asn Leu Gly Lys Val Ile Asp Thr Leu Thr Cys
100             115             120             125
101  Gly Phe Ala Asp Leu Met Gly Tyr Ile Pro Leu Val Gly Ala Pro Leu
102             130             135             140
103  Gly Gly Ala Ala Arg Ala Leu Ala His Gly Val Arg Val Leu Glu Asp
104             145             150             155             160
105  Gly Val Asn Tyr Ala Thr Gly Asn Leu Pro Gly Cys Ser Phe Ser Ile
106             165             170             175
107  Phe Leu Leu Ala Leu Leu Ser Cys Leu Thr Val Pro Ala Ser Ala
108             180             185             190

```

110 &lt;210&gt; SEQ ID NO: 5

111 &lt;211&gt; LENGTH: 23

112 &lt;212&gt; TYPE: DNA

113 &lt;213&gt; ORGANISM: Artificial Sequence

114 &lt;220&gt; FEATURE:

115 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence:/Note =

116 synthetic construct

117 &lt;400&gt; SEQUENCE: 5

118 tcatggggta cataccggcg gtc

23

120 &lt;210&gt; SEQ ID NO: 6

121 &lt;211&gt; LENGTH: 23

122 &lt;212&gt; TYPE: DNA

123 &lt;213&gt; ORGANISM: Artificial Sequence

124 &lt;220&gt; FEATURE:

125 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence:/Note =

126 synthetic construct

127 &lt;400&gt; SEQUENCE: 6

128 tccaagaggg gcgccgaccg ccg

23

130 &lt;210&gt; SEQ ID NO: 7

131 &lt;211&gt; LENGTH: 21

132 &lt;212&gt; TYPE: DNA

133 &lt;213&gt; ORGANISM: Artificial Sequence

134 &lt;220&gt; FEATURE:

135 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence:/Note =

136 synthetic construct

137 &lt;400&gt; SEQUENCE: 7

138 aagactgcta gccgagtagt g

21

140 &lt;210&gt; SEQ ID NO: 8

141 &lt;211&gt; LENGTH: 20

142 &lt;212&gt; TYPE: DNA

143 &lt;213&gt; ORGANISM: Artificial Sequence

144 &lt;220&gt; FEATURE:

145 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence:/Note =

146 synthetic construct

147 &lt;400&gt; SEQUENCE: 8

148 cacaatactc gagttagggc

20

**RAW SEQUENCE LISTING ERROR SUMMARY**

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Input Set : N:\Crf3\RULE60\10770117.raw.txt

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**Invalid Line Length:**

Rules require that a line not exceed 72 characters in length. This includes spaces.

q#:5; Line(s) 118

q#:6; Line(s) 128

q#:7; Line(s) 138

q#:8; Line(s) 148

**VERIFICATION SUMMARY**

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